

Amendment
Serial No. 10/527,087
Attorney Docket No. 052171

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Amend the abstract of the disclosure as follows:

In order to provide an active muscle display unit that extracts a firing pattern of the individual motor unit without applying a load to living organisms and display the extracted motor unit, the active muscle display unit comprises multiple electrodes [[1]] that are arranged on a skin surface, a surface electromyogram measuring part [[32]] that measures a surface electromyogram on the skin surface at the multiple electrodes [[1]], a motor unit separating part [[33]] that estimates the individual motor unit constituting an active muscle based on the surface electromyogram measured by the surface electromyogram measuring part [[32]], a motor unit position estimating part [[35]] that estimates a three-dimensional position of the firing motor unit based on the motor unit estimated to be the firing motor unit by the motor unit separating part [[33]], and a display part [[38]] that displays the motor unit estimated by the motor unit position estimating part [[35]] in an image.